Recent Scientific and Technical Books

Volumes marked with an asterisk have been received at "NATURE" Office

Mathematics: Mechanics: Physics

Andrade, E. N. da C. Le mécanisme de la nature: exposé simple des idées modernes concernant la structure de la matière et les radiations. Traduit de l'anglais par G. Malgorn. Demy 8vo. Pp. viii + 163. (Paris: Libr. Dunod, 1932.) 23 francs.

Bessière, G. Calculs et artifices de relativité. Ex. Cr. 8vo. Pp. viii + 83. (Paris: Libr. Dunod, 1932.) 12 francs.

Boll, Marcel. L'Idée générale de la mécanique ondulatoire et de ses premières applications: atome d'hydrogène, phénomènes chimiques, conduction électrique. Ex. Cr. 8vo. Pp. 74. (Paris: Hermann et Cie, 1932.) 15 francs.*

Boll, Marcel. Exposé électronique des lois de l'électricité: courants continu et alternatifs, électromagnétisme et inductions, réseaux de distribution, émission et réception radioélectriques. Demy 8vo. Pp. 72. (Paris: Hermann et Cie, 1932.) 15 francs.*

Borel, Emile, et Deltheil, Robert. La géométrie et les imaginaires. (Bibliothèque d'éducation par la science.) 8vo. Pp. 310. (Paris: Albin Michel, 1932.) 20 francs.

Broglie, Louis de. Théorie de la quantification dans la nouvelle mécanique. Roy. 8vo. Pp. xxviii + 250. (Paris: Hermann et Cie, 1932.) 70 francs.*

Broglie, Louis de. Exposés de physique théorique. Publiés sous la direction de Louis de Broglie. 1: Sur une forme plus restrictive des relations d'incertitude d'après MM. Landau et Peierls. (Actualités scientifiques et industrielles, 31.) Roy. 8vo. Pp. 24. (Paris: Hermann et Cie, 1932.) 6 francs.*

Brown, Wensel Langley. Related Mathematics. Cr. 8vo. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 13*s*. 6*d*. net.

Buckley, A., and Macdermott, C. F. G. Elementary Mechanics. Cr. 8vo. Pp. viii + 216 + xix. (London: G. Bell and Sons, Ltd., 1932.) 4*s*.*

Curie, Irène, et Joliot, F. Exposés de physique théorique. Publiés sous la direction de Louis de Broglie. 2: La projection de noyaux atomiques par un rayonnement très pénétrant, l'existence du neutron. (Actualités scientifiques et industrielles, 32.) Roy. 8vo. Pp. 22 + 3 planches. (Paris: Hermann et Cie, 1932.) 6 francs.*

Durell, Clement V. Advanced Algebra. Vol. 1. Cr. 8vo. Pp. viii + 193 + xxii. (London: G. Bell and Sons, Ltd., 1932.) 4*s*.*

Fishenden, Margaret, and Saunders, Owen A. The Calculation of Heat Transmission. Demy 8vo. Pp. xii + 280. (London: H.M. Stationery Office, 1932.) 10*s*. net.*

Hemmings, F. J. The Teaching of Arithmetic and Elementary Mathematics. (Teacher's Library.) Cr. 8vo. Pp. vii + 156. (London, Glasgow and Bombay: Blackie and Son, Ltd., 1932.) 3*s*. 6*d*. net.

Hopf, L. Die Relativitätstheorie. (Verständliche Wissenschaft, Band 14.) 8vo. Pp. 147. (Berlin: Julius Springer, 1931.) 4.80 gold marks.

Keal, Harry M., and others. The Slide Rule. Cr. 8vo. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 3*s*. net.

Larcombe, H. J. Larcombe's Senior Arithmetics. Demy 8vo. Preliminary Book (for Pupils of Ages 11-13 years). Pp. 48. 9*d*. net. Teacher's Book. Pp. 78. 2*s*. 6*d*. net. (London: Evans Brothers, Ltd., 1932.)

Lee, Donovan H. Graphs for Engineers and Architects. Demy 4to. Pp. 96. (London: E. and F. N. Spon, Ltd., 1932.) 7*s*. 6*d*. net.

Michel, Charles. Compléments de géométrie moderne. Demy 8vo. Pp. 320. (Paris: Libr. Vuibert, 1932.) 32 francs.

Moore, R. L. Foundations of Point Set Theory. (American Mathematical Society, Colloquium Publications, Vol. 13.) Med. 8vo. Pp. vii + 486. (New York: American Mathematical Society; Cambridge: Bowes and Bowes; Berlin: Hirschwald'sche Buchhandlung; Paris: Albert Blanchard; Milano: Nicola Zanichelli, 1932.) 5 dollars.*

Noguès, R. Le théorème de Fermat: son histoire. (Paris: Libr. Vuibert, 1932.) 25 francs.

Rutherford, D. E. Modular Invariants. (Cambridge Tracts in Mathematics and Mathematical Physics, No. 27.) Demy 8vo. Pp. viii + 84. (Cambridge: At the University Press, 1932.) 6*s*. net.*

Shackel, R. G. Light. Re-issue. Cr. 8vo. Pp. iv + 195-361. (London, New York and Toronto: Longmans, Green and Co., Ltd., 1932.) 2*s*. 6*d*.*

Thorpe, F. J. The Faraday Books of Practical Science. Teacher's Handbook. Cr. 8vo. Pp. 207. (London: Oxford University Press, 1932.) 3*s*. 6*d*.

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Caillez. Le téléphone chez les abonnés. Roy. 8vo. Pp. 324. (Paris: Léon Eyrolles, 1932.) 45 francs.

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Department of Scientific and Industrial Research: Building Research. Bulletin No. 12: The Durability of Slates for Roofing. By C. M. Watkins and F. L. Brady. Roy. 8vo. Pp. iv + 10 + 1 plate. (London: H.M. Stationery Office, 1932.) 4*d*. net.*

Fayolle. Cours de télégraphie multiplex par courants porteurs dite télégraphie harmonique. Roy. 8vo. Pp. 155. (Paris: Léon Eyrolles, 1932.) 25 francs.

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Kearton, W. J., and Wood, George. Alignment Charts for Engineers and Students. Second edition. Med. 8vo. Pp. 228. (London: Charles Griffin and Co., Ltd., 1932.) 10*s.* 6*d.* net.

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Tochtermann, W. Das Maschinenzeichnen mit Einführung in das Konstruieren. Band 1: Das Maschinenzeichnen. (Sammlung Göschen, Band 589.) Pott 8vo. Pp. 154. (Berlin und Leipzig: Walter de Gruyter und Co., 1932.) 1.62 gold marks.

Turner, Arthur D. Applied Building Mechanics: Examples of the Use of Calculated Work in Building Design. Cr. 8vo. Pp. 209. (Bristol: J. Wright and Sons, Ltd.; London: Simpkin Marshall, Ltd., 1932.) 7*s.* 6*d.* net.

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Chemistry: Chemical Industry

Abegg, R., Auerbach, Fr., und Koppel, I., Herausgegeben von. Handbuch der anorganischen Chemie. In 4 Bänden. Sup. Roy. 8vo. Band 4, Abteilung 3, Teil 2 B, Lieferung 2: Komplexe Cyanide des Eisens. Pp. Bxvii-Bxx + B465-B674. (Leipzig: S. Hirzel, 1932.) 24 gold marks.*

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Brown, F. E. A Short Course in Qualitative Analysis. (The Century Chemistry Series.) Ex. Cr. 8vo. Pp. xiii + 332. (New York: The Century Co.; London: D. Appleton and Co., 1932.) 10*s.* 6*d.* net.

Carlsohn, Heinrich. Über eine neue Klasse von Verbindungen des positiv einwertigen Jods. Roy. 8vo. Pp. iii + 63. (Leipzig: S. Hirzel, 1932.) 2.50 gold marks.*

Department of Scientific and Industrial Research: Forest Products Research. Bulletin No. 14: The Determination of the Moisture Content of Timber. By R. A. G. Knight. Cr. 4to. Pp. iv + 12. (London: H. M. Stationery Office, 1932.) 1*s.* net.*

Diels, Otto. Einführung in die organische Chemie. Siebente Auflage. Pp. 333. (Leipzig: J. J. Weber, 1932.) 13.60 gold marks.

Dolch, M. Die Untersuchung der Brennstoffe und ihre rechnerische Auswertung. Pp. 236. (Halle a. S.: Wilhelm Knapp, 1932.) 18.50 gold marks.

Edlbacher, S. Praktikum der physiologischen Chemie. Roy. 8vo. Pp. 92. (Berlin und Leipzig: Walter de Gruyter und Co., 1932.) 4.50 gold marks.

Eggert, John. Physical Chemistry. Translated by S. J. Gregg. A translation of the third edition of "Lehrbuch der physikalischen Chemie", revised in collaboration with Lothar Hock. Roy. 8vo. Pp. xi + 632. (London: Constable and Co., Ltd., 1932.) 24*s.* net.*

Eitel, Max. Anleitung zu chemischen Übungen an höheren technischen Lehranstalten. Pp. 96. (Stuttgart: Wissenschaftliche Verlagsgesellschaft m.b.H., 1932.) 3 gold marks.

Emich, Friedrich. Microchemical Laboratory Manual. With a section on Spot Analysis, by Fritz Feigl. Translated by Frank Schneider. Med. 8vo. Pp. xvi + 180. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 18*s.* 6*d.* net.*

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Fischl, Viktor, und Schlossberger, Hans. Handbuch der Chemotherapie. Teil 1: Metallfreie organische Verbindungen. Sup. Roy. 8vo. Pp. viii + 357. (Leipzig: Fischers medizinische Buchhandlung, 1932.) 34 gold marks.*

Freudenberg, K., Herausgegeben von. Stereochemie: eine Zusammenfassung der Ergebnisse, Grundlagen und Probleme. In Einzeldarstellungen von H. Brockmann, A. Dadieu, Fr. Ebel, K. Freudenberg, Stefan Goldschmidt, Victor Moritz Goldschmidt, Richard Kuhn, Werner Kuhn, H. Mark, R. Mecke, J. Meisenheimer, P. Pfeiffer, Th. Wagner-Jauregg, A. Wassermann, K. L. Wolf, K. Ziegler. Lieferung 2. Sup. Roy. 8vo. Pp. 161-320. (Leipzig und Wien: Franz Deuticke, 1932.) 18 gold marks.*

Garard, Ira D. An Introduction to Organic Chemistry. Med. 8vo. Pp. ix + 296. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 16*s.* 6*d.* net.*

Hedges, Ernest S. Liesegang Rings: and other Periodic Structures. Demy 8vo. Pp. viii + 122 + 8 plates. (London: Chapman and Hall, Ltd., 1932.) 10*s.* 6*d.* net.*

Hedges, Ernest S. Protective Films on Metals. (Monographs on Applied Chemistry, Vol. 5.) Demy 8vo. Pp. xi + 276. (London: Chapman and Hall, Ltd., 1932.) 15*s.* net.*

Jenkins, J. B. Elementary Chemistry: a First Course. (Bell's Natural Science Series.) Cr. 8vo. Pp. viii + 146. (London: G. Bell and Sons, Ltd., 1932.) 2*s.*

Kingzett, C. T. Chemical Encyclopædia: a Digest of Chemistry and its Industrial Applications. Fifth edition. Med. 8vo. Pp. viii + 1014. (London: Baillière, Tindall and Cox, 1932.) 40*s.* net.*

Kinttoff, Walter. Lehrbuch der organischen Chemie: für den Unterricht an höheren Lehranstalten. Zweite Auflage. Roy. 8vo. Pp. 94 + 4. (Greiz i. V.: Selbstverlag, 1932.) 2.85 gold marks.

Lowy, Alexander, and Harrow, Benjamin. An Introduction to Organic Chemistry. Third edition. Med. 8vo. Pp. xiv + 412. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 18*s.* 6*d.* net.*

Mahin, Edward G. Quantitative Analysis. Fourth edition. Demy 8vo. Pp. 639. (New York: McGraw-Hill Book Co., Inc.; London: McGraw-Hill Publishing Co., Ltd., 1932.) 24*s.* net.

Organic Syntheses: an Annual Publication of Satisfactory Methods for the Preparation of Organic Chemicals. Frank C. Whitmore, Editor-in-Chief. Vol. 12. Med. 8vo. Pp. vii + 96. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 10*s.* 6*d.* net.*

Pliny. The Elder Pliny's Chapters on Chemical Subjects. Part 2. Edited, with Translation and Notes, by Kenneth C. Bailey. Roy. 8vo. Pp. 299. (London: Edward Arnold and Co., 1932.) 15*s.* net.*

Prescott, Frederick. Modern Chemistry: the Romance of Modern Chemical Discoveries. Demy 8vo. Pp. xiii + 370 + 39 plates. (London: Sampson Low, Marston and Co., Ltd., 1932.) 12*s.* 6*d.* net.*

Schlenk, Wilh., und Bergmann, Ernst. Ausführliches Lehrbuch der organischen Chemie. Band 1. Sup. Roy. 8vo. Pp. viii + 805. (Leipzig und Wien: Franz Deuticke, 1932.) 36 gold marks.*

Timm, John Arrend. An Introduction to Chemistry: a Pandemic Text. Second edition. Demy 8vo. Pp. 573. (New York: McGraw-Hill Book Co., Inc.; London: McGraw-Hill Publishing Co., Ltd., 1932.) 21*s.* net.

Trotman, S. R., and Trotman, E. R. Textile Analysis. Med. 8vo. Pp. 301. (London: Charles Griffin and Co., Ltd., 1932.) 21*s.* net.

Urbach, Carl. Stufenphotometrische Absorptionsbestimmungen in der medizinischen Chemie. (Monographien aus dem Gesamtgebiete der Mikrochemie, Band 1.) Roy. 8vo. Pp. 131 + 61. (Wien und Leipzig: Emil Haim und Co., 1932.) 10 gold marks.

Vlassopoulos, Vlassios. Neue Wege zur Erklärung des Wirkungsmechanismus der Fermente. Med. 8vo. Pp. 70. (Leipzig: Gustav Fock G.m.b.H., 1932.)*

Washburn, Homer C., and Klein, Carl J. Beginning Pharmacy. Roy. 8vo. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 16*s.* 6*d.* net.

Wood, T. B. A Course of Practical Work in Agricultural Chemistry: for Senior Students. New edition, revised by H. H. Nicholson. Demy 8vo. Pp. 56. (Cambridge: At the University Press, 1932.) 2*s.* 6*d.* net.*

Technology

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Cary, D. F. Colour Mixing and Paint Work. Second impression. Cr. 8vo. Pp. 72. (London: Crosby Lockwood and Son, 1932.) 2*s.* 6*d.* net.

Child, Alice M., Niles, Kathryn B., and Kolshorn, Agnes. Food Preparation Studies. Demy 4to. Pp. viii + 156. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 10*s.* 6*d.* net.*

Collins, A. F. Book Crafts for Schools: the Approach to Bookbinding. Demy 8vo. Pp. ix + 228 + 26 plates. (Leicester and London: The Dryad Press, 1932.) 10*s.* 6*d.* net.

Colvin, Fred H., and Stanley, Frank A. American Machinists' Handbook and Dictionary of Shop Terms. Fifth edition, revised and enlarged. Fcap. 8vo. Pp. 1153. (New York: McGraw-Hill Book Co., Inc.; London: McGraw-Hill Publishing Co., Ltd., 1932.) 24*s.* net.

Department of Scientific and Industrial Research: Engineering Research. Special Report No. 18: Properties of Materials at High Temperatures. 6: The Strength at High Temperatures of six Steels and three Non-Ferrous Metals. By H. J. Tapsell, A. E. Johnson and W. J. Clenshaw. Roy. 8vo. Pp. iv + 44. (London: H.M. Stationery Office, 1932.) 9*d.* net.*

Diepschlag, E. Der Hochofen. (Der Industrieofen in Einzeldarstellungen, herausgegeben von L. Litinsky, Band 6.) Roy. 8vo. Pp. 309 + 54 Tafeln. (Leipzig: Otto Spamer, 1932.) 25 gold marks.

Evershed, Wilfrid L. Quantity Surveying for Builders: a Text-Book for Surveyors, Civil Engineers, Builders and Contractors. (The Directly-Useful Technical Series.) Third edition, revised. Demy 8vo. Pp. xix + 278 + 10 plates. (London: Chapman and Hall, Ltd., 1932.) 10*s.* 6*d.* net.*

Faure, L. Le service d'entretien dans les usines. Roy. 8vo. Pp. iv + 85. (Paris: Libr. Dunod, 1932.) 24 francs.

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Krebs, E. Technisches Wörterbuch. Band 1: Die wichtigsten Ausdrücke d. Maschinen- und Schiffbaues. Teil 1: Deutsche-Englisch. (Sammlung Göschen, Band 395.) Dritte Auflage. Pott 8vo. Pp. 157. (Berlin und Leipzig: Walter de Gruyter und Co., 1931.) 1.62 gold marks.

Müller, Robert. Allgemeine und technische Elektrometallurgie. Med. 8vo. Pp. xii + 580. (Wien: Julius Springer, 1932.) 32.50 gold marks.*

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Partington, E. B. Chemical Plumbing, Lead Burning and Oxyacetylene Welding for Plumbers and Heating Engineers. Second edition, fully revised and greatly enlarged. Pp. 445. (London: The British Oxygen Co., Ltd., 1932.) 5*s.* net.

Scott-Taggart, William. Cotton Machinery Sketches: a Book of Illustrations of all Types of Cotton Machinery and to accompany the Author's Book on "Mill Management". Fourth edition. Cr. 4to. Pp. xxii + 230. (London: Macmillan and Co., Ltd., 1932.) 7*s.* 6*d.* net.

Skirving, R. Scot. Wire Splicing. Cr. 8vo. Pp. 48. (Glasgow: Brown, Son and Ferguson, Ltd., 1932.) 2*s.* net.

Stevens, J. G., and May, Frederick J. Metal Work for Schools. Demy 8vo. Pp. 190 + 8 plates. (London, Bombay and Sydney: George G. Harrap and Co., Ltd., 1932.) 10*s.* 6*d.* net.

Sullivan, Edmund J. The Art of Illustration. (Universal Art Series.) Med. 8vo. Pp. 273. (London: Chapman and Hall, Ltd., 1932.) 10*s.* 6*d.* net.

Sweetman, Marion Deyoe. Food Preparation: a Text-book for Colleges on the Science of Food Processing. Med. 8vo. Pp. xi + 344. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 18*s.* 6*d.* net.*

Astronomy

Barneck, A. Die Grundlagen unserer Zeitrechnung. Zweite Auflage. (Mathematisch-physikalische Bibliothek, Band 29.) Pott 8vo. Pp. 49. (Leipzig und Berlin: B. G. Teubner, 1932.) 1.08 gold marks.

Favaro, G. A. Nozioni di astronomia. Parte 2, Cap. 3: Il nostro pianeta; la terra. Demy 8vo. Pp. iv + 80. (Barriera: Scuola Tip. Salesiana "S. Cuore", 1931.)*

Mallik, D. N. The Elements of Astronomy. Second edition, revised. Demy 8vo. Pp. iii + 234. (Cambridge: At the University Press, 1932.) 14*s*. net.*

Milne, E. A. The White Dwarf Stars: being the Halley Lecture delivered on 19 May 1932. Demy 8vo. Pp. 32. (Oxford: Clarendon Press; London: Oxford University Press, 1932.) 2*s*. 6*d*. net.*

Meteorology: Geophysics

Air Ministry: Meteorological Office. Geophysical Memoirs, No. 54: The Structure of Wind over Level Country; Report on Experiments carried out at the Royal Airship Works, Cardington. By the late M. A. Giblett. (M.O. 331d.) Published by the Authority of the Meteorological Committee. Roy. 4to. Pp. 119 + 21 plates. (London: H.M. Stationery Office, 1932.) 10*s*. net.*

Chapman, S. On the Theory of the Lunar Tidal Variation of Atmospheric Temperature. (Memoirs of the Royal Meteorological Society, Vol. 4, No. 34.) Roy. 8vo. Pp. 35-40. (London: Edward Stanford, Ltd., 1932.) 2*s*. 6*d*.*

Ficker, H. von. Wetter und Wetterentwicklung. (Verständliche Wissenchaften, Band 15.) 8vo. Pp. 140. (Berlin: Julius Springer, 1932.) 4.80 gold marks.

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Hann, J. von. Handbuch der Klimatologie. (Bibliothek geogr. Handbücher, Neue Folge.) Vierte umgearbeitete und vermehrte Auflage, von K. Knoch. Band 1: Allgemeine Klimalehre. Roy. 8vo. Pp. 444. (Stuttgart: J. Engelhorns Nachfolger, 1932.) 24.50 gold marks.

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Perbal, Louis. Quelques aperçus sur l'utilisation de la charpente osseuse par les animaux vertébrés. 8vo. Pp. 100. (Paris: Gaston Doin et Cie, 1932.) 25 francs.

Perrier, Rémy, et Delphy, Jean. Coléoptères. Deuxième partie. (La faune de France et tableaux synoptiques illustrés, Fasc. 6.) Roy. 8vo. Pp. 230. (Paris: Ch. Delagrave, 1932.)

Praeger, R. Lloyd. An Account of the Sempervivum Group. Roy. 8vo. Pp. ii + 265. (London: Royal Horticultural Society, 1932.) To Fellows, 15*s.*; to non-Fellows, 21*s.**

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Smith, Edith Philip. Experimental Biology. Cr. 8vo. Pp. 96. (Oxford: Clarendon Press; London: Oxford University Press, 1932.) 1*s.* 6*d.**

Stapf, O., Edited by. Curtis's Botanical Magazine. (Published for the Royal Horticultural Society, London.) Vol. 155 (1929), Part 3. Roy. 8vo. Pp. 41 + plates 9271-9281. (London: Bernard Quaritch, Ltd., 1932.) 17*s.* 6*d.* net.*

Step, Edward. Bees, Wasps, Ants and Allied Insects of the British Isles. (The Wayside and Woodland Series.) Roy. 16mo. Pp. xxv + 238 + 111 plates. (London and New York: Frederick Warne and Co., Ltd., 1932.) 10*s.* 6*d.* net.*

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Horticulture: Forestry: Agriculture

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Chittenden, F. J., Edited by. Conifers in Cultivation: the Report of the Conifer Conference held by the Royal Horticultural Society, Nov. 10-12, 1931. Roy. 8vo. Pp. ii + 634 + 80 plates. (London: Royal Horticultural Society, 1932.) 21*s.**

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Hickel, R. Dendrologie forestière. (Encyclopédie économique de sylviculture, Vol. 5.) Roy. 8vo. Pp. 272 + 25 planches. (Paris: Paul Lechevalier et fils, 1932.) 75 francs.

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Ritter, Kurt. Die Schweinehaltung der Welt und der Handel mit ihren Erzeugnissen. (Berichte über Landwirtschaft, N. F., Sonderheft 41.) 4to. Pp. 366. (Berlin: Paul Parey, 1931.) 27.50 gold marks.

Rothamsted Conferences, 14. Mechanization and British Agriculture: being the Report of a Conference held at Rothamsted on February 9, 1932, under the Chairmanship of the Rt. Hon. the Earl of Radnor. Demy 8vo. Pp. 55. (Harpenden: Rothamsted Experimental Station, 1932.) 2*s.* 6*d.* net.*

Rübel, E., Redigiert von. Die Buchenwälder Europas. (Veröffentlichungen des Geobotanischen Institutes Rübel in Zürich, Heft 8.) Med. 8vo. Pp. 502. (Bern und Berlin: Hans Huber, 1932.) 25 francs; 20.80 gold marks.*

Schröder, Walter. Die Baumwolle: eine wirtschaftsgeogr. Monographie. 8vo. Pp. 78. (Greifswald: Verlag Bamberg, 1932.) 6 gold marks.

Stone, Archie A. Farm Tractors. 8vo. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 23*s.* net.

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Geology: Mineralogy

Dana, Edward Salisbury. A Textbook of Mineralogy: with an Extended Treatise on Crystallography and Physical Mineralogy. Fourth edition, revised and enlarged by William E. Ford. Med. 8vo. Pp. xi + 851. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 34*s*. net.*

Grout, Frank F. Petrography and Petrology: a Textbook. Med. 8vo. Pp. xvii + 522. (New York: McGraw-Hill Book Co., Inc.; London: McGraw-Hill Publishing Co., Ltd., 1932.) 30*s*. net.*

Kornfeld, M. M. Recent Littoral Foraminifera from Texas and Louisiana. (Contributions from the Department of Geology of Stanford University, Vol. 1, No. 3.) Sup. Roy. 8vo. Pp. 28 + 4 plates. (Stanford University, Calif.: Stanford University Press; London: Oxford University Press, 1931.) 7*s*. 6*d*. net.*

Kraus, Edward Henry, and **Holden, Edward Fuller.** Gems and Gem Materials. Second edition. Med. 8vo. Pp. ix + 260. (New York: McGraw-Hill Book Co., Inc.; London: McGraw-Hill Publishing Co., Ltd., 1931.) 18*s*. net.*

Seidlitz, W. von. Der Bau der Erde und die Bewegungen ihrer Oberfläche: eine Einführung in die Grundfragen der allgemeinen Geologie. (Verständliche Wissenschaft, Band 17.) Cr. 8vo. Pp. ix + 152. (Berlin: Julius Springer, 1932.) 4.80 gold marks.*

General Biology: Natural History Botany: Zoology

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Celesia, Paolo, Opere di. Serie scientifica, Vol. 3. Serie 1: Nuovi studi biologici. Sup. Roy. 8vo. Pp. viii + 532. (Roma: Libraria di Scienze e Lettere, 1932.) 35 lire.*

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Darlington, C. D. Recent Advances in Cytology. Ex. Cr. 8vo. Pp. xviii + 559 + 8 plates. (London: J. and A. Churchill, 1932.) 18*s*.*

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Deutsche Atlantische Expedition auf dem Forschungs- und Vermessungsschiff *Meteor*, 1925–1927. Wissenschaftliche Ergebnisse. Herausgegeben im Auftrage der Notgemeinschaft der Deutschen Wissenschaft von Albert Defant. Band 4, Teil 1: Ozeanographische Methoden und Instrumente. Von Georg Wüst, Günther Böhnecke, Hans H. F. Meyer. Med. 4to. Pp. xii + 298 + 9 Tafeln + 5 Beilagen. (Berlin und Leipzig: Walter de Gruyter und Co., 1932.)*

***Discovery* Reports.** Issued by the *Discovery* Committee, Colonial Office, London, on behalf of the Government of the Dependencies of the Falkland Islands. Vol. 3. Roy. 4to. Mollusca: Gastropoda Thecosomata and Gymnosomata. By the late Anne L. Massy. Pp. 267-296 + plate 39. 4*s*. net. Narrative of Hydrographic Survey Operations in South Georgia and the South Shetland Islands, 1926–1930. By Lieut.-Comdr. J. M. Chaplin. Pp. 297-344 + plates 40-44. 10*s*. net. Vol. 4. Roy. 4to. Oligochæta. Part 1: Microdrili (mainly Enchytræidæ). By J. Stephenson. Pp. 233-264. 4*s*. net. Oligochæta. Part 2: Earthworms. By Grace E. Pickford. Pp. 265-292. 3*s*. 6*d*. net. (Cambridge: At the University Press, 1932.)*

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Ministry of Agriculture and Fisheries. Bulletin No. 51: Narcissus Pests. By W. E. H. Hodson. Roy. 8vo. Pp. viii + 40 + 5 plates. (London: H.M. Stationery Office, 1932.) 1*s*. net.*

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Anthropology : Archæology

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Borel, É. Zeit und Raum: von Euklid bis Einstein. Übertragen von H. Schütze. Roy. 8vo. Pp. 136. (Stuttgart: Franckh'sche Verlagsbuchhandlung, 1931.) 3.20 gold marks.

Broermann, E. Allgemeine Psychologie: eine Einführung in ihre Tatsachen und Probleme mit besonderer Berücksichtigung der Pädagogik. (Handbücherei der Erziehungswissenschaft, Band 19.) Zweite überarbeitete und erweiterte Auflage. Roy. 8vo. Pp. 224. (Paderborn: Ferdinand Schöningh, 1932.) 5.40 gold marks.

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Hartmann, Nicolai. Ethics. Translated by Stanton Coit. (Library of Philosophy.) Vol. 3: Moral Freedom. Demy 8vo. Pp. 288. (London: George Allen and Unwin, Ltd.; New York: The Macmillan Co., 1932.) 12*s.* 6*d.* net.*

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Muller, M. Individualité, causalité, indéterminisme. (Bibliothèque de Philosophie Contemporaine.) 8vo. Pp. viii + 206. (Paris: Félix Alcan, 1932.) 25 francs.

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Prichard, H. A. Duty and Ignorance of Fact. (Annual Philosophical Lecture, Henriette Hertz Trust, British Academy, 1932.) (From the *Proceedings of the British Academy*, Vol. 18.) Roy. 8vo. Pp. 28. (London: Oxford University Press, 1932.) 1*s*. 6*d*. net.*

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Schmied-Kowarzik, W. Ethik: mit Berücksichtigung pädag. Probleme. (Handbücher der neueren Erziehungswissenschaft, Band 8.) 8vo. Pp. 161. (Osterwieck: Verlag Zickfeldt, 1932.) 4.50 gold marks.

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Mackay, R. J., Edited by. Business and Science: being Collected Papers read to the Department of Industrial Co-operation at the Centenary Meeting of the British Association for the Advancement of Science, London, September 1931. (Published by Authority of the Council of the British Association for the Council of the Management Research Groups of Great Britain.) Demy 8vo. Pp. xvi + 312. (London: The Sylvan Press, 1932.) 5*s*.*

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Philbrick, F. A., and Holmyard, E. J. A Text Book of Theoretical and Inorganic Chemistry. Demy 8vo. Pp. vii+803. (London and Toronto: J. M. Dent and Sons, Ltd., 1932.) 10*s*. 6*d*. net.*

Polanyi, Michael. Atomic Reactions. Roy. 8vo. Pp. 64. (London: Williams and Norgate, Ltd., 1932.) 6*s*. net.*

Rassow, B., und Loesche, A., Bearbeitet von. Jahresbericht über die Leistungen der chemischen Technologie. Jahrgang 77, 1931, Abt. 2: Organischer Teil. 8vo. Pp. 874. (Leipzig: Johann Ambrosius Barth, 1932.) 52 gold marks.

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Air Ministry: Meteorological Office. The Weekly Weather Report for the Period March 1st 1931 to February 27th 1932. (Fifty-fourth Year.) Vol. 48, New Series: Particulars of Temperature, Rainfall and Bright Sunshine for each Week. (M.O. 351.) Roy. 4to. Pp. 72. (London: H.M. Stationery Office, 1932.) 15*s.* net.*

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Department of Scientific and Industrial Research: Fuel Research. Physical and Chemical Survey of the National Coal Resources, No. 23: The Significance of Spores in the Correlation of Coal Seams. Part 2: The Barnsley Seam—South Yorkshire Area; Part 3: The Silkstone Seam—South Yorkshire Area. By L. Slater and Gladys E. Eddy. Roy. 8vo. Pp. vi+25+9 plates. 2*s.* net. Physical and Chemical Survey of the National Coal Resources, No. 24: The Northumberland and Durham Coalfield. Durham Area—The Brockwell Seam. Roy. 8vo. Pp. vi+78+1 plate. 2*s.* net. (London: H.M. Stationery Office, 1932.)*

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Taba, Hilda. The Dynamics of Education: a Methodology of Progressive Educational Thought. (International Library of Psychology, Philosophy and Scientific Method.) Demy 8vo. Pp. xvi +278. (London: Kegan Paul and Co., Ltd., 1932.) 10*s*. 6*d*. net.*

Thielicke, H. Das Verhältnis zwischen dem Ethischen und dem Ästhetischen. 8vo. Pp. 262. (Leipzig: Felix Meiner, 1932.) 12 gold marks.

University of Oxford: Committee for Advanced Studies. Abstracts of Dissertations for the Degree of Doctor of Philosophy. Vol. 5 (1931–32). Cr. 8vo. Pp. iv +121. (Oxford: Clarendon Press; London: Oxford University Press, 1932.) 3*s*. net.*

Vossler, Karl. The Spirit of Language in Civilization. Translated by Oscar Oeser. ((International Library of Psychology, Philosophy and Scientific Method.) Demy 8vo. Pp. vii +247. (London: Kegan Paul and Co., Ltd., 1932.) 12*s*. 6*d*. net.*

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Bacteriology: Hygiene

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Hewlett, R. Tanner, and McIntosh, James. A Manual of Bacteriology: Medical and Applied. Ninth edition, revised. Ex. Cr. 8vo. Pp. ix +746 +43 plates. (London: J. and A. Churchill, 1932.) 18*s*.*

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Miscellany

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l'Institut Henri Poincaré, Annales de. Recueil de Conférences et Mémoires de calcul des probabilités et physique théorique. Vol. 3, Fasc. 1: Application du calcul des probabilités à la théorie du mouvement brownien, par B. Hostinsky; Sur quelques problèmes de radioactivité et de ferromagnétisme, par R. H. Fowler. Imp. 8vo. Pp. 134. (Paris: Institut Henri Poincaré; Les Presses universitaires de France, 1932.) 35 francs.*

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National Physical Laboratory, The. Collected Researches, Vol. 23, 1932. The William Froude Laboratory. Roy 4to. Pp. iv +452. (London: H.M. Stationery Office, 1932.) 20*s*. net.*

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Translated by Henry L. Brose. Demy 8vo. Pp. vii + 234. (London: Macmillan and Co., Ltd., 1932.) 10*s*. 6*d*. net.*

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Reichenbach, Hans. Atom and Cosmos: the World of Modern Physics. English translation by Edward S. Allen. Cr. 8vo. Pp. 300 + 4 plates. (London: George Allen and Unwin, Ltd., 1932.) 8*s*. 6*d*. net.*

Riebesell, P. Mathematische Statistik und Biometrik. (Math.-naturwiss.-technische Bücherei, Band 28.) 8vo. Pp. 59. (Frankfurt a. M.: Verlag Salle, 1932.) 2.40 gold marks.

Rosenblum, Salomon. Exposés de physique théorique, 4: Origine des rayons gamma, structure fine du spectre magnétique des rayons alpha. (Actualités scientifiques et industrielles, 34.) Roy. 8vo. Pp. 37 + 4 plates. (Paris: Hermann et Cie, 1932.) 12 francs.*

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Kamm, Oliver. Qualitative Organic Analysis: an Elementary Course in the Identification of Organic Compounds. Second edition. Med. 8vo. Pp. ix + 311. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1932.) 16*s*. 6*d*. net.*

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Mellor, J. W. A Comprehensive Treatise on Inorganic and Theoretical Chemistry. Vol. 12: U, Mn, Ma, Re, Fe (Part 1). Roy. 8vo. Pp. xiii + 944. (London, New York and Toronto: Longmans, Green and Co., Ltd., 1932.) 63*s*. net.*

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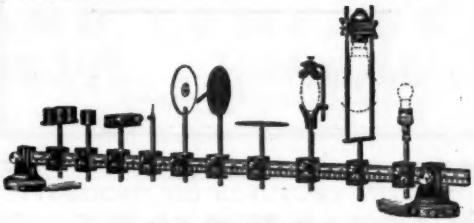

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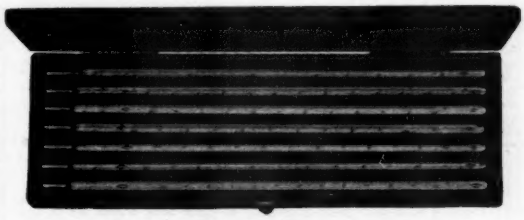

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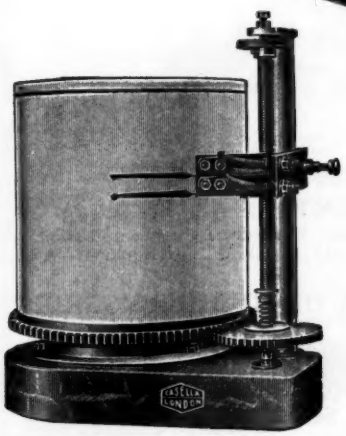

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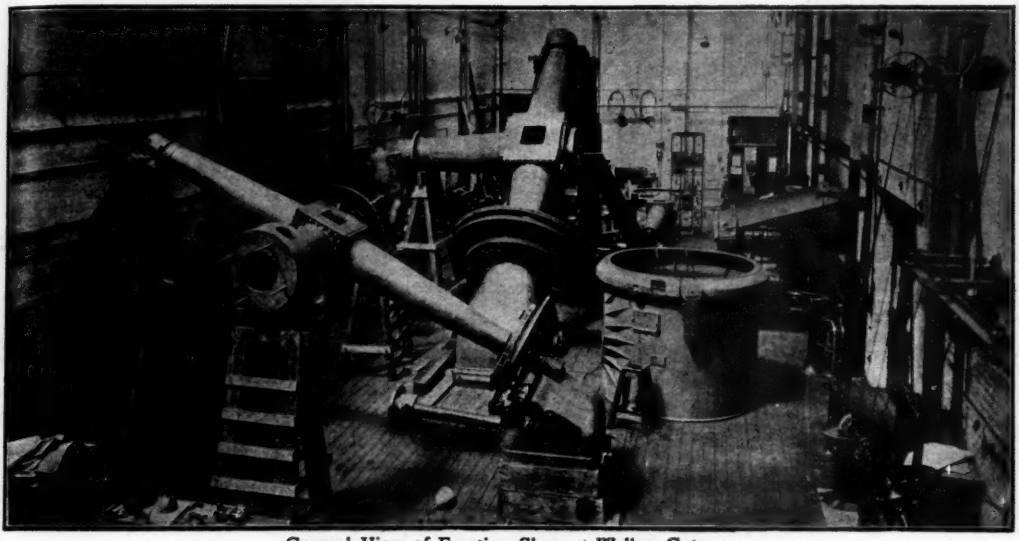

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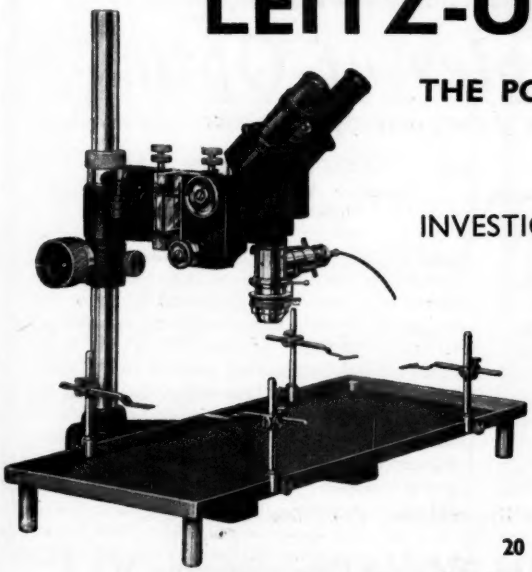

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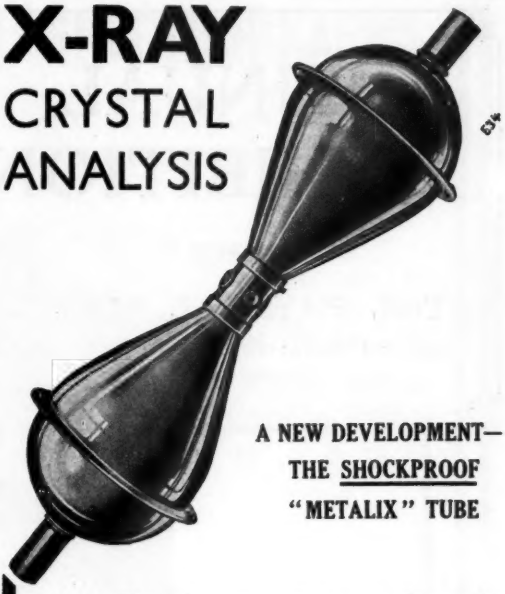

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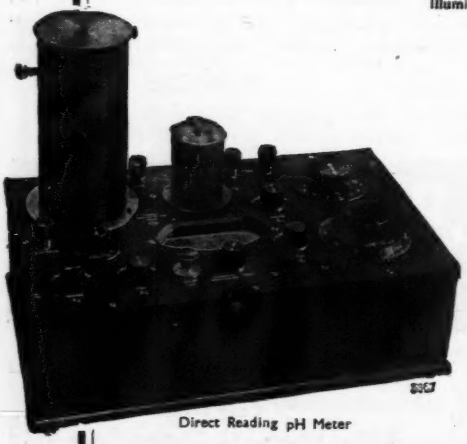

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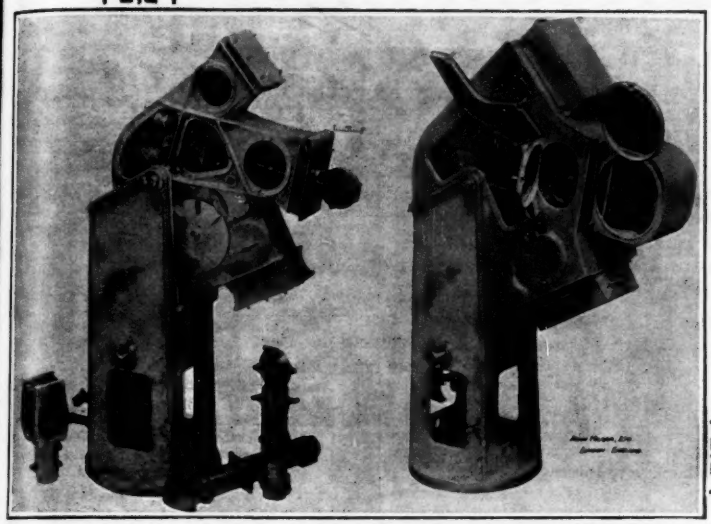

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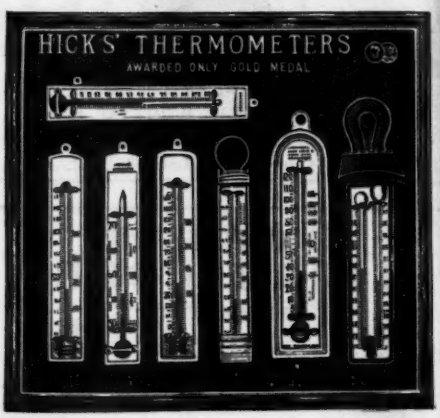

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